

## Standard Mesh Type Grease Filters Stainless Steel & Galvanised Steel for Kitchen Extracts and Canopies

### Applications

Mesh Grease Filters are generally installed in the kitchen canopy above cooking ranges, fryers, and gas hobs in commercial restaurant kitchens. These air filters effectively eliminate or greatly reduce grease build up in duct work and on fans in the kitchen extract system.

Mesh Canopy Filters significantly reduce the frequency of expensive duct cleaning, and offer some protection against grease-fire hazards. Airclean now have many thousands of mesh grease filters operating satisfactorily in leading restaurants, hotel kitchens and ship's galleys.

### Description

The grease filtration media is a crimped galvanised or stainless steel knitted wire mesh, that is enclosed in either an aluminium or galvanised channel frame. Galvanised steel or stainless-steel retaining meshes are fitted to both faces of the grease filter, and corner plates provide rigidity.

Handles are normally desirable on grease filters for ease of removal and cleaning, but these are optional. Drain holes also provide an outlet for grease to drain away from the filter into drain trays and grease traps.

For Heavy Duty Stainless Steel Mesh Type Grease Filters are available, and these can be found as our Gridmesh Style Grease Filter. See AC3.4 Stainless Steel Gridmesh Grease Filters for further information.

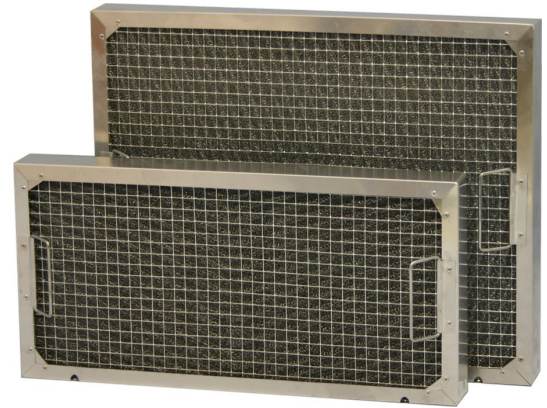
### Technical

Filter Classification : Grade G2/G3 to EN779, Coarse 20% to ISO 16890

Maximum Operating Temperature : 100°C (212°F)

Maximum Recommended Face Velocity 2.5 m/s

Standard Filter Depths/Thickness: 47mm, 22mm, 12mm



Size		Flow Rate	Filter Depth			
			Galvanised Steel		Stainless Steel	
OT Inches	Actual mm	m <sup>3</sup> /s	1" (22mm) Part No	2" (47mm) Part No	1" (22mm) Part No	2" (47mm) Part No
10 x 10	242 x 242	0.15	1310101	1310201	1316101	1316201
12 x 12	292 x 292	0.21	1310102	1310202	1316102	1316202
15 x 15	369 x 369	0.34	1310103	1310203	1316103	1316203
16 x 16	394 x 394	0.39	1310104	1310204	1316104	1316204
18 x 9	445 x 216	0.24	1310105	1310205	1316105	1316205
18 x 18	445 x 445	0.50	1310106	1310206	1316106	1316206
20 x 10	495 x 242	0.30	1310107	1310207	1316107	1316207
20 x 16	495 x 394	0.49	1310108	1310208	1316108	1316208
20 x 20	495 x 495	0.61	1310109	1310209	1316109	1316209
25 x 16	623 x 394	0.61	1310110	1310210	1316110	1316210
25 x 20	620 x 495	0.77	1310111	1310211	1316111	1316211
24 x 24	597 x 597	0.89	1310112	1310212	1316112	1316212

FOR NON-STANDARD SIZES CONTACT THE SALES TEAM

## Notes

- \* Actual sized filters will be manufactured as ordered +/- 3mm
- \* Clean Pressure Drops 1" -25Pa, 2" – 30Pa, based on FV= 2.5m/s
- \* Handles and Drain Holes come as standard and are only removed upon request.
- \* Handles are located on the shortest side of the grease filter as standard.
- \* Alternative Frame Materials available : Aluminium (1315990), Stainless Steel 430 (1315991), Stainless Steel 304 (1315992)
- \* Heavy Duty Grease Filters with 25% extra filter media are available on request (Increased Pressure Drop).

## **Grease Filter Cleaning Tanks and Agents**

To ensure the prolonged efficiency and life of a kitchen mesh grease filter they must be cleaned regularly (according to use).

Airclean offer a range of suitable Grease Filter Cleaning Tanks (Heated and Non Heated), and Non Caustic Cleaning Agents (See Catalogue Section 8, Page AC3.8).

Alternative cleaning solutions for grease filters include steam cleaning or an automatic dishwasher.

